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III.—Descriptions of some New or rare Indian Plants. By G. A. W. Arnott, Esq., LL.D.

Schizostigma, Arn. (Rubiaceæ).

Calycis tubus globosus, limbus 5-partitus, laciniis lanceolatis. Corolla infundibuliformis, intus pubescens, extus hirsuta, ad medium usque 5-fida, laciniis lineari-lanceolatis patulis. Antheræ 5, lineares, obtusæ, ad faucem sessiles. Ovarium cohærens, multiloculare, loculis multiovulatis. Stylus filiformis, stamina longe superans. Stigma multi- (4—7) fidum, segmentis linearibus patulis. Fructus indehiscens, baccatus, globosus, costatus, hirsutus, laciniis calycinis foliaceis patentibus coronatus, pluri- (4—7) locularis, loculis polyspermis.

Herba decumbens vel subrepens, hirsuta. Caules simplices, 4—8 poll. longi. Folia, 1½—2 poll. longa, opposita, longiuscule petiolata, oblongo-lanceolata, integerrima, supra viridia, parcius pilosa, subtus pallida. Stipulæ interpetiolares, late ovatæ, acutæ, membranaceæ. Flores, 8—9 lin. longi, axillares, solitarii, alterni, subsessiles, basibracteis duabus stipulis subsimilibus stipati.

1. S. hirsutum, Arn.

Hab. in insula Céylon.

This genus may be placed near Sabicea.

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Hab. in insula Ceylon, legerunt Walker et Wight, Martio 1836.

This approaches most to *Mussænda*, but differs by several characters and by the whole aspect. The internal structure of the fruit is not unlike that of some *Cyrtandraceæ*.

NEUROCALYX, Hook. (Rubiaceæ.)

Calycis tubus breve turbinatus, 10-sulcatus, limbus 5-partitus, laciniis oblongis vel ovatis, acutis, patentibus, petaloides (albis), venosis, persistentibus, ovario multo majoribus; æstivatio valvata, pyramidata. Corolla calyce brevior, rotata, stellatim 5-partita, tubo brevissimo, laciniis anguste lanceolatis. Antheræ magnæ, oblongæ, ad basin corollæ subsessiles, erectæ, marginibus in tubum subconicum coalitæ, connectivo dorso in ligulam brevem obtusam ultra loculos paullo producto. Ovarium adhærens, disco operculari puberulo coronatum, biloculare, placenta in quoque loculo ad dissepimentum medium peltata, carnosa, magna, multiovulata. Stylus filiformis, discum perforans. Stigma simpliciusculum vel obscure bilobum. Fructus subgloboso-turbinatus, 5-gonus, calycinis laciniis coronatus, membranaceus, indehiscens, bilocularis, polyspermus. Semina minuta.

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1. N. Wightii (Arn.); stipularum segmentis ovatis, integris, apice subulato cuspidatis, bracteis vel integris vel basi utrinque lacinulis setacea unica auctis. Wight, Cat. n. 2473.

Hab. ad Courtallum, Wight.

Caulis 3—12 poll. altus, inferne nudus, ferrugineo-pubescens. Racemi cernui, folio 2—3-plo breviores: pedicellus calyce duplo brevior. Calycis laciniæ ovatæ, corolla paullo tantum longiores: ovarium 10-costatum, 10-sulcatum, at fructus 5-angulatus, faciebus planiusculis.

2. N. ceylanicus (Hook.); stipularum segmentis lanceolatis attenuatis latere exteriore pinnatisectis, bracteis pedunculi palmatisectis, laciniis sub 5 lateralibus tenuioribus.

Hab. in insula Ceylon, ad "Adam's Peak," Walker.

Caulis subnullus. Racemi folio tantum paullo breviores: pedicellus calycem subæquans. Calycis laciniæ oblongæ, corollam duplo superantes: ovarium et fructus omnino ut in antecedente.

That this genus is allied to Argostemma*, Wall., will not I presume be disputed; indeed, trusting to the generic character alone which is given of that genus, it might be doubted if the two were truly distinct. In Argostemma, however, the calyx segments are green, and considerably shorter than the

* The following is a new species of Argostemma, the only one yet discovered in the Peninsula of India, found at Courtallum, in 1835, by Dr.

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Ă. courtallense (Arn.); caule basi repente, supra terram erecto, simplici pubescente, foliis utrinque glabris, verticillatis terminalibus vel quaternis, duobus oppositis aut tribus late ovatis subæqualibus cætera oblonga multo superantibus, nunc quinto inferiore, vel rarius ternis subæqualibus, stipulis obsoletis, umbella pedunculata 2—6-flora foliis majoribus breviore, pedicellis calycibusque pubescentibus, floribus 4-meris, filamentis declinatis, antheris discretis, versus apicem rima duplici dehiscentibus. Wight, Cat. n. 2474.

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Since the above characters were drawn up, Sir W. J. Hooker has described this genus and figured one of the species in his valuable 'Icones Plantarum': he, however, has mentioned, but with doubt, the fruit as a 5-celled capsule, and in the plate traces of five dissepiments are represented. As this is the principal point of difference between his observations and mine, I have re-examined both flower and fruit of N. Wightii, and an ovarium of N. ceylanicus, but I cannot perceive more than the two cells which I have noticed.

In the same part of the 'Icones' two Ceylonese species of Elæocarpus are figured; of these E. pubescens (tab. 155.) is an excellent representation of my E. subvillosus, and E. coriaceus (tab. 154.) of my E. obovatus, published in the 'Nov. Act. Acad. C. L. Nat. Cur.' xviii. p. 322. Allied to Elæocarpus I possess a new genus, also from Ceylon, of which the petals are exactly as in Elæocarpus, the filaments long as in Grewia, or rather Tilia, the anthers short and considerably different from those of either; the leaves, with nearly the structure of some species of Capparis, are opposite and quite entire; the calyx has a valvular æstivation, and when in bud is globose and inclosed within two rounded concave bracteolæ; it may be Elæocarpus integrifolius of Moon's 'Catalogue of Ceylon Plants.' I have seen neither fruit nor seed.

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